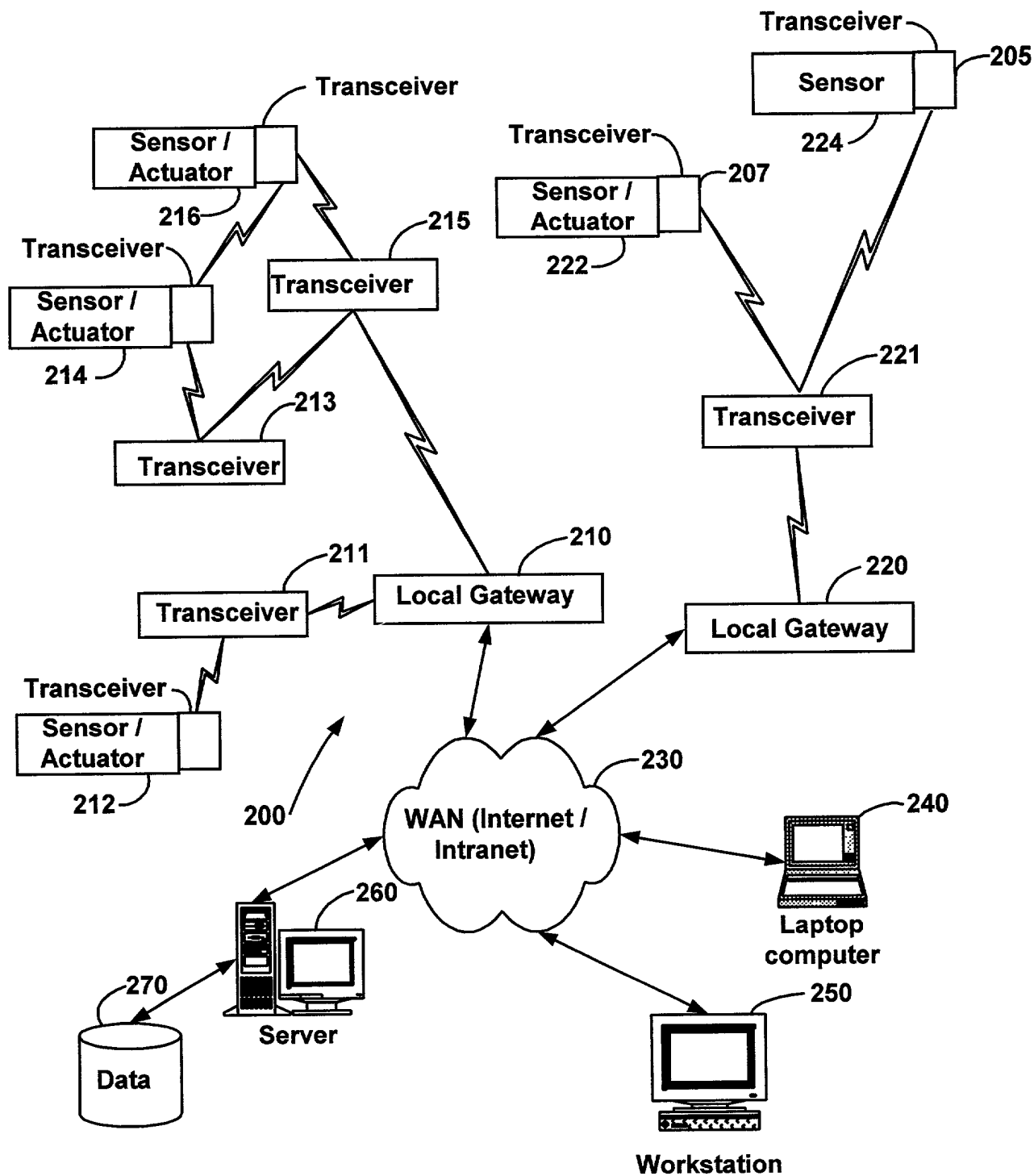
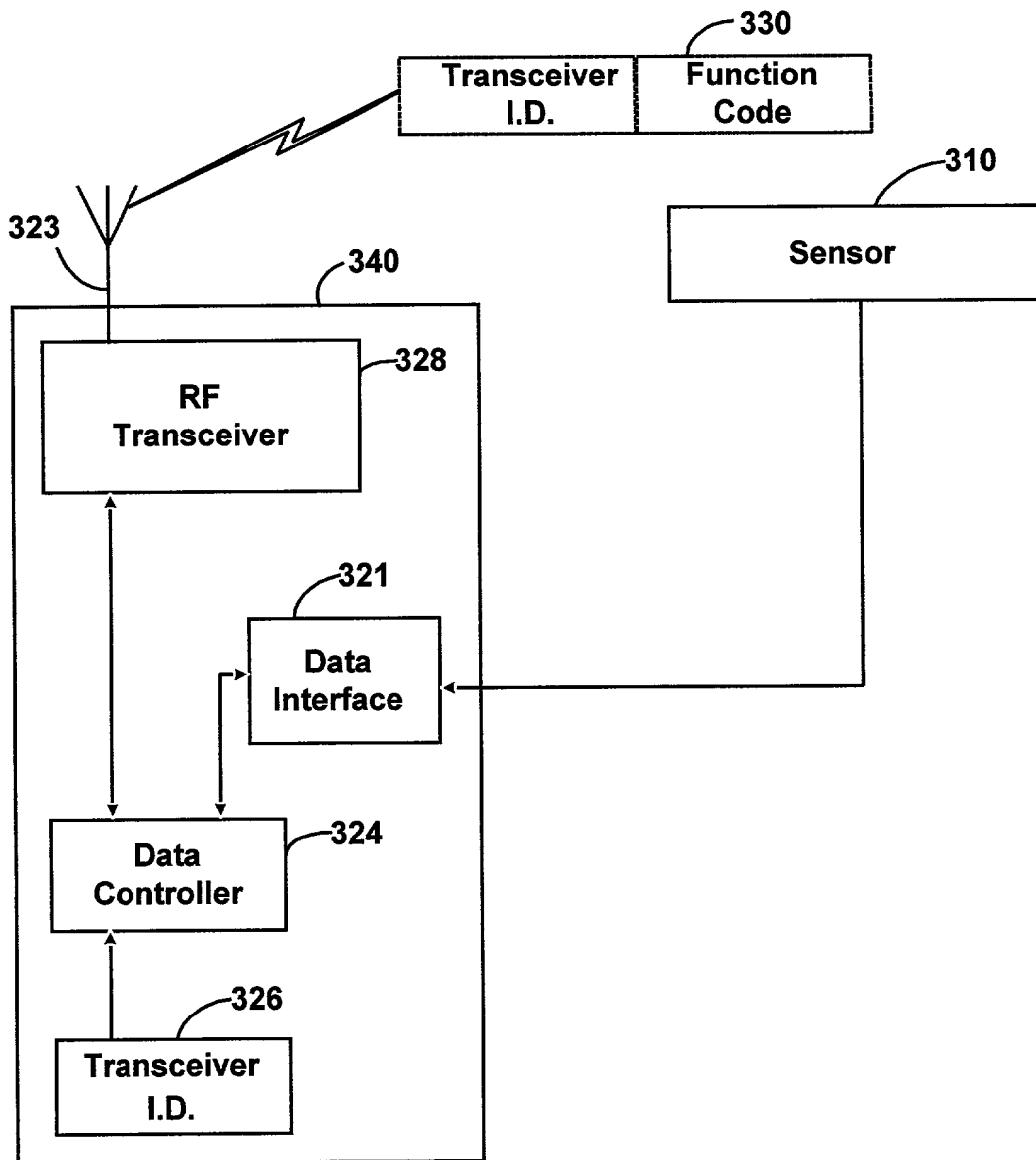


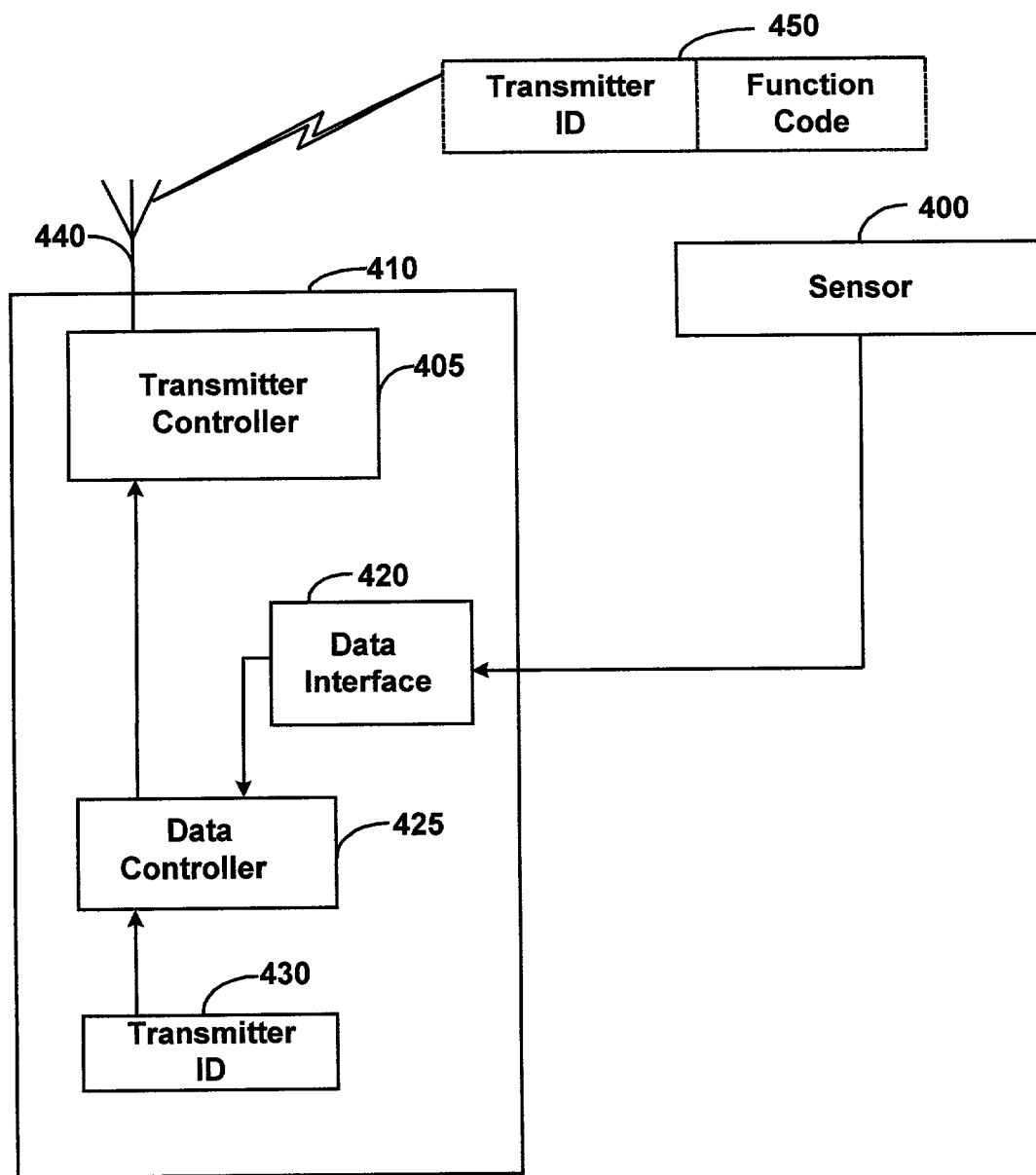
**FIG. 1**  
**(PRIOR ART)**



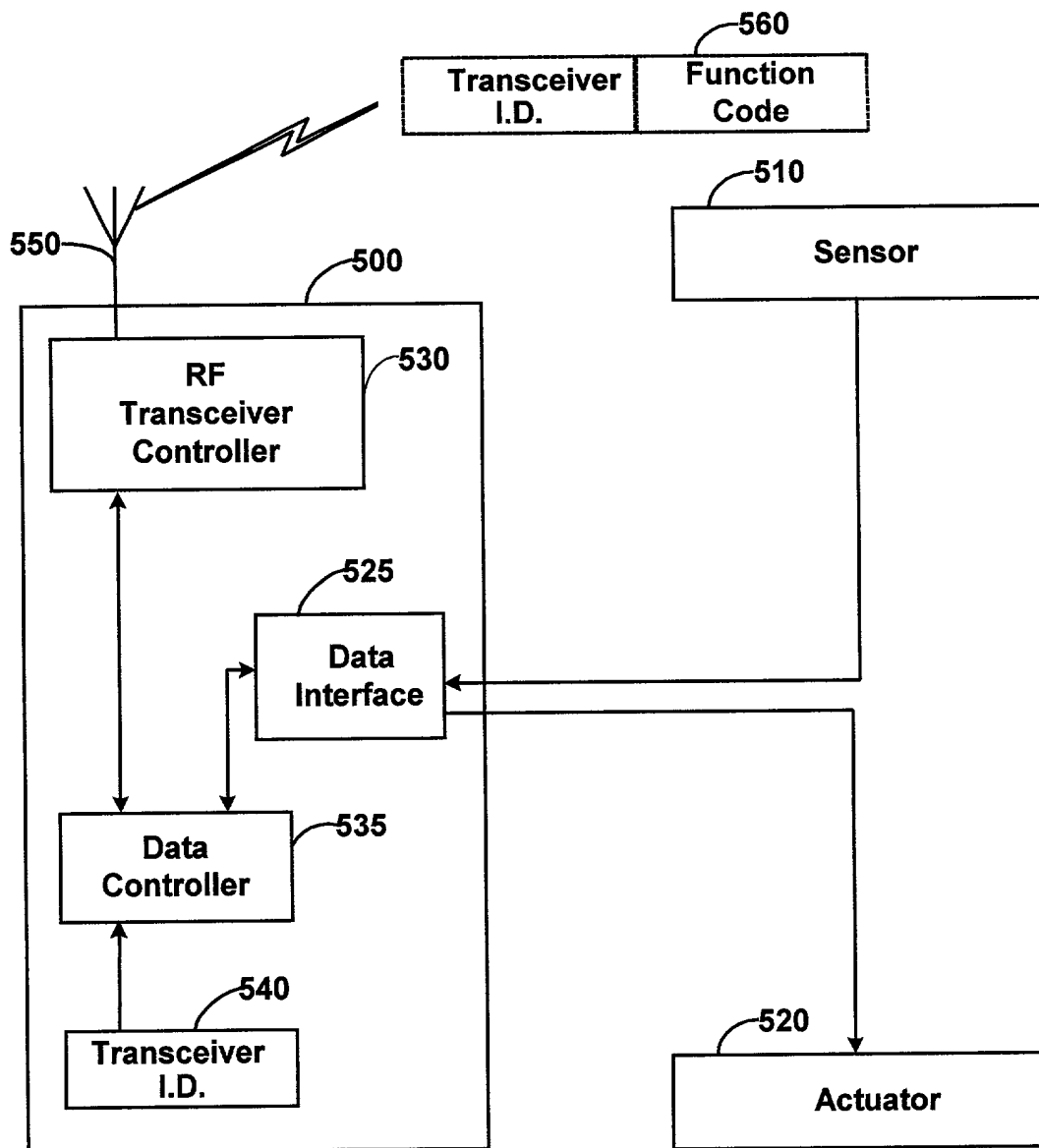
**FIG. 2**



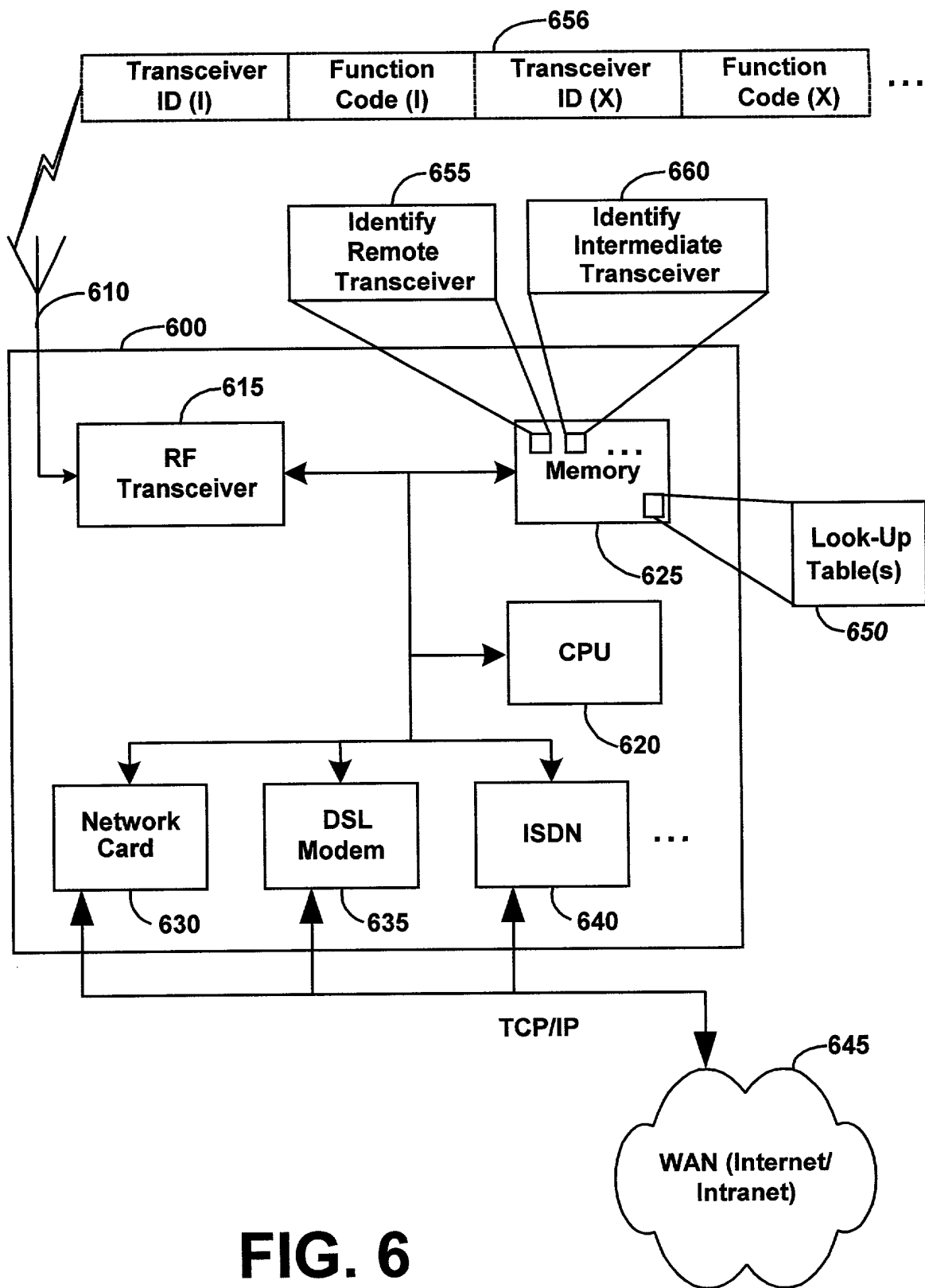
**FIG. 3**



**FIG. 4**



**FIG. 5**





# FIG. 8

## "To Address"

## Byte Assignment:

<b>MSB - Byte 1 Device Type</b>	<b>FF-F0 (16) - Broadcast All Devices (1 Byte Address)</b> <b>EF-1F (224) - Device Type Base (2 to 6 Byte Address)</b> <b>0F-00 (16) - Personal Transceiver Identification (6 Byte Address)</b>
<b>Byte 2 Mfg./Owner ID</b>	<b>FF-F0 (16) - Broadcast all Devices (Byte 1 Type)</b> <b>(2 Byte Broadcast Address)</b> <b>EF-00 (240) - Mfg./Owner Code Identification Number</b>
<b>Byte 3 Mfg./Owner Extension ID</b>	<b>FF-F0 (16) - Broadcast all Devices (Byte 1 &amp; Byte 2 Type)</b> <b>(3 Byte Broadcast Address)</b> <b>EF-00 (240) - Device Type/Mfg./Owner Code ID Number</b>
<b>Byte 4</b>	<b>FF-F0 (16) - Broadcast all Devices (Byte 1 &amp; Byte 2 Type)</b> <b>(4 Byte Broadcast Address)</b> <b>EF-00 (240) - ID Number</b>
<b>Byte 5</b>	<b>(FF-00) 256 - Identification Number</b>
<b>Byte 6</b>	<b>(FF-00) 256 - Identification Number</b>



## Sample Messages

**Central Server to Personal Transceiver - Broadcast Message - FF (Emergency)**

Byte Count = 12

910

To Addr.	From Addr.	Pkt. No.	Pkt. Max.	Pkt. Lngth.	Cmd.	CkH	CkL
(FF)	(12345678)	(00)	(00)	(0C)	(FF)	(02)	(9E)

**First Transceiver to Repeater (Transceiver)  
Broadcast Message - FF (Emergency)**

Byte Count = 17

920

To Addr.	From Addr.	Pkt. No.	Pkt. Max.	Pkt. Lngth.	Cmd.		CkH	CkL
(F0)	(12345678)	(00)	(00)	(11)	(FF)		(03)	(A0)

Data  
(A000123456)

**Note: Additional Transceiver Re-Broadcasts do not change the message.  
The messages are simply received and re-broadcast.**

**Message to Device "A0" From Device "E1" Command - "08" (Respond to PING)  
Response will reverse "To" and "From" Addresses**

Byte Count = 17

930

To Addr.	From Addr.	P #	P Max.	P Lngth.	Cmd.	Data	CkH	CkL
(A012345678)	(E112345678)	(00)	(00)	(11)	(08)	(A5)	(04)	(67)

**FIG. 9**